



Attorney Docket: CRSI10US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
YOONJAE LEE et al.)
Serial No. 10/657,824) Group Art Unit: 2821
Filed: September 9, 2003) Examiner:
For: MULTIFREQUENCY ANTENNA WITH)
REDUCED REAR RADIATION AND)
RECEPTION)

Honorable Commissioner of Patents
P.O. Box 1450
Arlington, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT I

Applicants request that the following art be considered in the examination of the above-captioned application:

Filippov, V. et al., "The First Dual-Depth Dual-Frequency Choke Ring," Proceedings of ION, Sept. 1998.

Gao, S. et al, "A Broad-Band Dual-Polarized Microstrip Patch Antenna With Aperture Coupling," IEEE Transactions on Antenna Propagation, Vol. 51, No. 4, April 2003, pp. 898-900.

Klefenz, F. et al, "Aperture-coupled stacked microstrip antenna with dual polarization and low back-radiation for X-band SAR applications," Radio and Wireless Conference, 2000. RAWCON 2000, Sept. 2000, pp. 179 - 182.

Lo, Y. T. et al., "Theory and Experiment on Microstrip Antennas," IEEE Transactions on Antennas and Propagation, Vol. 27, No. 2, March 1979, pp. 137-145.

Lee Y. et al., "Multiband L5 Capable GPS Antenna," Proceedings of ION, Sept. 2003.

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Pozar, M. et al., "A Dual-Band Circularly Polarized Aperture-Coupled Stacked Microstrip Antenna for Global Positioning Satellite," IEEE Transactions on Antennas and Propagation, Vol. 45, No. 11, Nov. 1997, pp. 1618-1625.

Targonski, S. D. et al., "An aperture coupled stacked patch antenna with 50% bandwidth," Antennas and Propagation Society International Symposium, 1996. AP-S. Digest, July 1996, pp. 18 - 21.

Targonski, S. D. et al., "Design of Wide-Band Aperture-Stacked Patch Microstrip Antennas," IEEE Transactions on Antennas and Propagation, Vol., 46, No. 9, Sept. 1998, pp. 1245-1251.

Targonski, S. D., et al., "Wideband aperture coupled microstrip patch array with backlobe reduction," Electronics Letters, Vol. 33, No. 24, Nov. 1997, pp. 2005-2006.

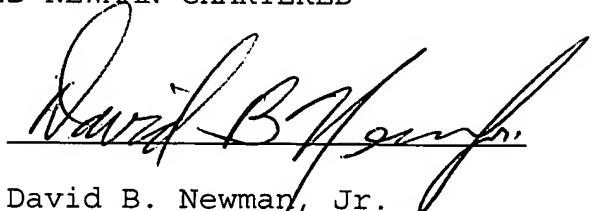
Wang, J. et al., "Multifunctional Aperture Coupled Stacked Antenna," Antennas and Propagation Society International Symposium, 1991. AP-S. Digest, 24-28 June 1991, pp. 727 - 730.

A copy of each of the above references is enclosed, along with an Information Disclosure Citation form.

Applicant requests that the art be considered in the examination of the U.S. case.

Respectfully submitted,

DAVID NEWMAN CHARTERED

By: 

Date: March 25, 2004

David B. Newman, Jr.
Registration No. 30,966

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PTO/SB/08B (10-01)

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	10/657,824
Filing Date	09/09/2003
First Named Inventor	LEE
Group Art Unit	2821
Examiner Name	
Attorney Docket Number	CRS10US

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials'	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
		<p>Filippov, V. et al., "The First Dual-Depth Dual-Frequency Choke Ring," Proceedings of ION, Sept. 1998.</p> <p>Gao, S. et al, "A Broad-Band Dual-Polarized Microstrip Patch Antenna With Aperture Coupling," IEEE Transactions on Antenna Propagation, Vol. 51, No. 4, April 2003, pp. 898-900.</p> <p>Klefenz, F. et al, "Aperture-coupled stacked microstrip antenna with dual polarization and low back-radiation for X-band SAR applications," Radio and Wireless Conference, 2000. RAWCON 2000, Sept. 2000, pp. 179 - 182.</p> <p>Lo, Y. T. et al., "Theory and Experiment on Microstrip Antennas," IEEE Transactions on Antennas and Propagation, Vol. 27, No. 2, March 1979, pp. 137-145.</p> <p>Lee Y. et al., "Multiband L5 Capable GPS Antenna," Proceedings of ION, Sept. 2003.</p> <p>Pozar, M. et al., "A Dual-Band Circularly Polarized Aperture-Coupled Stacked Microstrip Antenna for Global Positioning Satellite," IEEE Transactions on Antennas and Propagation, Vol. 45, No. 11, Nov. 1997, pp. 1618-1625.</p>	

Examiner
Signature

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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

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		Targonski, S. D. et al., "An aperture coupled stacked patch antenna with 50% bandwidth," Antennas and Propagation Society International Symposium, 1996. AP-S. Digest, July 1996, pp. 18 - 21.	
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